



AGENDA: April 10, 2012

7.1

CATEGORY: New Business

DEPT.: Public Works

TITLE: Environmental Sustainability Action Plan 2

RECOMMENDATION

Approve the Council Environmental Sustainability Committee's (CESC's) recommendation to adopt the proposed Environmental Sustainability Action Plan 2 (ESAP-2) for Fiscal Years 2011-12 through 2013-14.

FISCAL IMPACT

There is no fiscal impact to adopting the proposed ESAP-2 (Attachment 1). Most of the 32 actions included in the proposed ESAP-2 can be accomplished through existing department operating budgets, staff resources and/or capital improvement projects. Two items that are not funded are a work plan for bans on single-use shopping bags and expanded polystyrene food containers, and exploring the feasibility of a community shuttle service. A work plan for single-use bags is also on the April 10 agenda and a work plan for a shuttle service will be brought to Council later this year. Funding will be part of Council's consideration of each work plan.

BACKGROUND AND ANALYSIS

The City Council adopted an original Environmental Sustainability Action Plan (ESAP) in March 2009 to serve as a road map for achieving the City's short- and long-term sustainability goals. Many of the initiatives included in the ESAP were identified as proposed strategies and actions in the 2008 Environmental Sustainability Task Force's (ESTF's) final recommendations (Attachment 2). The ESAP identified 25 initiatives for completion between Fiscal Years 2008-09 and 2010-11. Most of these initiatives are complete or under way. Detailed information regarding the status of each ESAP initiative is provided in Attachment 3.

The CESC met in April 2011 to review the progress of the ESAP initiatives and to provide direction to staff regarding priorities for a new multi-year ESAP-2. The CESC met again in May and December 2011 and February 2012 to further discuss and refine the actions to be included in the ESAP-2.

Proposed ESAP-2

The CESC is proposing a new three-year ESAP-2 for Fiscal Years 2011-12 through 2013-14. Though already partially elapsed, Fiscal Year 2011-12 is included in the proposed ESAP-2 to recognize the sustainability-related activities and progress that has been made during the current fiscal year. An update on the status of the Fiscal Year 2011-12 actions is provided in Attachment 4.

The proposed ESAP-2 will serve as the City's continued road map for strategic investment in environmental sustainability initiatives. Among its 32 initiatives, ESAP-2 contains both quick payback energy efficiency actions that will reduce the City's operational expenses and bigger, longer-term community outreach projects, both of which will help reduce the City's carbon footprint. The initiatives encompass a number of areas, including community outreach, energy efficiency, green building, greenhouse gases (GHGs), land use, renewable energy, toxics, transportation, waste, water and wildlife.

In deciding which actions to recommend for inclusion in ESAP-2, the CESC considered the following items, as shown in Attachment 1: input from the public and staff, the 2008 ESTF recommendations, current staff resources and workloads, the level of effort required, the cost, the availability of funding to implement the action and, where possible, an estimate of each action's GHG reduction potential. More accurate GHG reduction estimates for the actions cannot be determined until they are more fully developed/designed.

Two items in the original ESAP that were not completed, and are not recommended for inclusion in ESAP-2, include:

- Secure technical assistance to establish an AB 811 benefit assessment district.
- Evaluate the feasibility of implementing a municipal renewable energy facility (AB 2466).

Work on both of these items is on hold at this time. The City Council approved participation in CaliforniaFIRST, a State-wide AB 811 program, in January 2010. However, CaliforniaFIRST was unfunded by the California Energy Commission in July 2010 as a result of legal challenges and Federal agency objections. Efforts have been under way across the nation to resolve these challenges and objections so that programs such as CaliforniaFIRST can continue. Staff continues to monitor these developments but does not propose including this item in ESAP-2.

There are no current plans to implement a municipal renewable energy facility under the provisions of AB 2466 (energy generation at one location can be used to offset energy costs at another location). The rate tariff approved by the California Public Utilities Commission only allows the City to receive credit for a small portion of any energy it produces. This

significantly limits the financial viability of constructing a renewable energy facility under AB 2466. As the City considers additional renewable energy projects, the costs and benefits of implementing an AB 2466 project will be weighed against other project options (e.g., entering into a power purchase agreement), but staff does not propose continuing to include an AB 2466-related item as a part of ESAP-2.

Since the sustainability landscape is constantly evolving, the CESC will continue to meet to assess the progress of ESAP-2 initiatives and, as appropriate, to recommend additions or other modifications to the ESAP-2 for Council review and consideration in the context of City-wide and department funding priorities. ESAP-2 should be viewed as a road map that can, and likely will, change over time.

ESAP-2 and the Greenhouse Gas Reduction Program

On a parallel track with development of the ESAP-2, the City's Community Development Department has developed a Greenhouse Gas Reduction Program (GGRP) in conjunction with the new General Plan. Staff from the Public Works and Community Development Departments have collaborated on the development of ESAP-2 and the GGRP. While both documents focus on environmental sustainability initiatives, they have different purposes. ESAP-2 contains a broad range of sustainability actions, whereas the GGRP focuses on mitigating the GHG impacts of the new General Plan in order to comply with the California Environmental Quality Act (CEQA).

During its February 29, 2012 meeting, the CESC requested staff prepare an explanation about the GGRP's recommendation to calculate the City's GHG reduction targets based on service population reductions as opposed to absolute GHG reductions as approved by the City Council in March 2009. The Community Development Department will be providing the Council with additional information on this topic.

CONCLUSION

Since its adoption in March 2009, the ESAP has served as a road map for achieving the City's short- and long-term sustainability goals. Significant progress has been made on most of the ESAP initiatives, as well as on several other important environmental sustainability-related projects not included in the original ESAP but approved by the Council. Adoption and implementation of the proposed ESAP-2 will allow the City to build on its past sustainability successes and be well positioned to proactively address additional sustainability challenges in the future.

PUBLIC NOTICING—Agenda posting.

Prepared by:



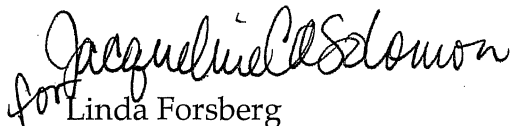
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916-04-10-12M-E^

- Attachments:
1. ESAP-2: Proposed Actions (Fiscal Years 2011-12 through 2013-14)
 2. 2008 Environmental Sustainability Task Force Recommendations
 3. ESAP-1: Status Update (Fiscal Years 2008-09 through 2010-11)
 4. ESAP-2: Status Update (Fiscal Year 2011-12 Actions)

Environmental Sustainability Action Plan 2 (ESAP-2) - Proposed Actions

FY 2011-2012

#	Action	Task Force Rec. #	Primary Focus Area	Lead Dépts.	Level of Effort	Funding Sources	Est. Cost	Funding Availability	GHG Reduction Potential ²
1	Complete installation of solar systems at Golf Pro Shop and Shoreline Maintenance Facility via Power Purchase Agreement (PPA).	5-2	Energy	PWD	Medium	CIP Project 10-33	\$93,000 ¹	Funded: one-time \$	Low-Med
2	Consider participation in regional Renewable Energy Procurement (REP) project for installation of additional renewable energy systems on City facilities	5-2	Energy	PWD	Medium	Absorb in Existing Staff and Budget Resources			Medium
3	Complete "Greening the Library" capital project		Energy	PWD, CSD	Medium	CIP Project 10-34	\$140,000	Funded: one-time \$	Low
4	Continue implementation of Energy Upgrade Mountain View (EUMV)	5-8	Energy	PWD	High	Federal Grant	\$343,000	Funded: one-time \$	Medium
5	Present "Greenhouse Gas Reduction Program" (GGRP) to Council for adoption as part of General Plan update		GHGs	CDD	High	Grant Funded	\$45,000	Funded: one-time \$	High
6	Complete 2010 government operations greenhouse gas (GHG) inventory and measure it against 2010 reduction target		GHGs	PWD	High	Grant Funded	\$10,000	Funded: one-time \$	N/A
7	Evaluate and propose green building incentives to be included in Precise Plan, General Plan and/or zoning amendments	8-8	Land Use	CDD	Med-High	Shoreline Park Community Funds	Part of \$250,000 for Precise Plan	Funded: one-time \$	Med-High
8	Participate in regional sustainable planning efforts (e.g., Plan Bay Area, Grand Boulevard Initiative, Bus Rapid Transit, etc.)		Land Use	CDD, PWD	Med-High	Absorb in Existing Staff and Budget Resources			High
9	Update City sustainability web site	11-1	Outreach	PWD	Low-Med	Absorb in Existing Staff and Budget Resources			N/A
10	Explore making rubberized asphalt the City standard for street resurfacing projects		Roads	PWD	Low	C/C Tax, Gas Tax	\$2,000	Funded: one-time \$	Medium
11	Report on Integrated Pest Management (IPM) techniques currently in use	9-2	Toxics	CSD, Fire	Low	Absorb in Existing Staff and Budget Resources			Low
12	Upgrade electric vehicle chargers in Civic Center garage	11-10	Transport.	PWD	Low	Grant Funded	N/A	Funded: one-time \$	Low
13	Participate in a regional automated bicycle rental program	6-2	Transport.	PWD	Medium	Regional Grant	\$7 Million Regionally	Funded	Medium
14	Explore feasibility of a community shuttle service	6-3	Transport.	PWD	High	General Fund	\$100,000	TBD: one-time \$	High
15	Present Pedestrian Master Plan to Council for adoption	6-4	Transport.	PWD, CDD	High	Grant Funded	\$125,000	Funded: one-time \$	Medium
16	Present Zero Waste Plan to Council for adoption	4-1	Waste	PWD	High	Solid Waste Fund	\$230,000	Funded: one-time \$	High
17	Prepare work plan for bans on single-use bags and expanded polystyrene food containers for Council approval	4-4, 4-6	Waste	PWD	High	Solid Waste Fund	\$0	TBD: one-time \$	High
18	Report on current training of Shoreline Park staff and contractors in wildlife preservation		Wildlife	CSD, Fire	Low	Absorb in Existing Staff and Budget Resources			N/A

¹ PPA minimizes up-front City costs. Estimated energy savings of \$245,000 over 20 years.

² An estimate of the GHG reduction potential of implementing the actions stated or being investigated. More accurate GHG reduction amounts cannot be determined until actions are more fully developed/designed.

FY 2012-2013

#	Action	Task Force Rec. #	Primary Focus Area	Lead Depts.	Level of Effort	Funding Sources	Estimated Cost	Funding Availability	GHG Reduction Potential ²
1	Present staff recommendation regarding participation in regional Renewable Energy Procurement (REP) project for installation of additional renewable energy systems on City facilities	5-2	Energy	PWD	Medium	Absorb in Existing Staff and Budget Resources			Medium
2	Investigate feasibility of installing solar hot water on City buildings	5-2	Energy	PWD	Low-Med	Absorb in Existing Staff and Budget Resources			Low-Med
3	Identify and implement additional green building technologies in City facilities (using 2010 government operations GHG inventory data analysis)		Energy	PWD	Medium	CIP	Variable	Annual CIP	Medium
4	Investigate feasibility of conducting a green roofs pilot program		Energy	PWD, CDD	Med-High	Absorb in Existing Staff and Budget Resources			Low-Med
5	Continue implementation of Energy Upgrade Mountain View (EUMV)	5-8	Energy	PWD	Med-High	Federal Grant	\$343,000	Funded: one-time \$	Medium
6	Investigate incorporating sustainability components into recreation programs at elementary and middle schools		Outreach	CSD	Medium	Depends on Availability of Free Materials and Number of Programs Included			Unknown
7	Develop a budget proposal for a sustainability outreach and engagement campaign with residents and businesses	11-1	Outreach	PWD	Medium	Absorb in Existing Staff and Budget Resources			High
8	Participate in a regional automated bicycle rental program	6-2	Transport.	PWD	Medium	Regional Grant	\$7 Million Regionally	Funded	Medium
9	Investigate establishing a fee for use of electric vehicle charging stations at City facilities	11-10	Transport.	PWD	Medium	Absorb in Existing Staff and Budget Resources			N/A
10	Evaluate further refinements to water bill design	3-2	Water	FASD, PWD	Low-Med	Absorb in Existing Staff and Budget Resources			Low-Med
11	Conduct a permeable surface pilot program at McKelvey Park	3-5	Water	PWD, CSD	Low	Water District	\$500,000	Funded	Low-Med

FY 2013-2014

#	Action	Task Force Rec. #	Primary Focus Area	Lead Depts.	Level of Effort	Funding Sources	Estimated Cost	Funding Availability	GHG Reduction Potential ²
1	Identify and implement additional green building technologies in City facilities (using 2010 government operations GHG inventory data analysis)		Energy	PWD	Medium	CIP	Variable	Annual CIP	Medium
2	Investigate a potential energy/GHG tracking system for City facilities and the community		Energy	PWD	Medium	TBD	\$20,000 - \$50,000	TBD: on-going \$	Med-High
3	Complete 2012 community-wide GHG inventory and measure it against 2012 reduction target	1-1	GHGs	PWD	Medium	General Fund	\$10,000	TBD: one-time \$	N/A

² An estimate of the GHG reduction potential of implementing the actions stated or being investigated. More accurate GHG reduction amounts cannot be determined until actions are more fully developed/designed.

2008 ENVIRONMENTAL SUSTAINABILITY TASK FORCE RECOMMENDATIONS

ESAP 1 or 2 or Gen Plan	Title	Priority	S ¹	M ¹	L ¹	Cost ²	CO ₂ e Reduction (Metric tons)	\$ per Metric Ton
1. BASELINE AND MEASUREMENTS								
1	Adopt CO ₂ e Emissions Goals	1	✓			Unk	N/A	Unk
1 & 2	Utilize ICLEI CO ₂ e Measurement Methodology	2	✓	✓	✓	VL *	N/A	N/A
	Include Emissions from Air Traffic at Moffett Field in the Mountain View Community GHG Inventory	3	✓	✓	✓	VL *	Unk	Unk
2. ADAPTATION TO CLIMATE CHANGE								
Gen Plan	Plan for Sea Level Rise and Increased Flooding	1	✓	✓	✓	Unk	N/A	
	Partner with Other Agencies to Restore the Bay Shoreline for Better Flood Control	2	✓			L	N/A	
	Reduce Outdoor Water Usage with Drought-tolerant Landscaping	3	✓	✓	✓	M	Unk	
Gen Plan	Address Health Issues Resulting from Extreme Heat	4	✓			M	N/A	
3. WATER USE AND AVAILABILITY								
	Leverage Existing Water Conservation Programs	1	✓			L	N/A	
1 & 2	Redesign City Utility Bill Format to Encourage Water Conservation	2	✓	✓		L	N/A	
	Make Residential Greywater Easy To Reuse In Mountain View	3	✓	✓	✓	Unk	Unk	
	Add Staff to City Water Conservation Team	4	✓	✓		H *	N/A	
Partially in 2	Replace Paved Surfaces with Permeable Surfaces	5	✓	✓		Unk	292/yr	
1	Recruit and Train Local Water Conservation Advocates	6		✓	✓	VL *	11,591/yr	
	Install CIMIS Weather Station and Other Feedback Mechanisms	7	✓	✓		VL *	1,136/yr	
	Implement Cost Sharing Agreement with Santa Clara Valley Water District for Water Conservation Incentives	8	✓	✓		Unk	Unk	
4. WASTE, WASTE REDUCTION, AND RECYCLING								
1 & 2	Create a Comprehensive Zero Waste Action Plan	1	✓	✓	✓	VH *	Unk	
	Increase Diversion from Landfill by Increasing Utilization of the SMaRT Station	2	✓			VL *	Unk	
	Divert Organic Waste From Landfill	3	✓			H *	Unk	
1 & 2	Ban Polystyrene Take-Out Food Containers	4	✓	✓	✓	VL *	Unk	
	Educate the Public on Recyclable Material Processing and Eco-Conscious Purchasing	5	✓	✓	✓	M *	Unk	
1 & 2	Discourage Single-Use Bags within the City	6	✓	✓	✓	L *	Unk	
	Increase Recycling and Improve Waste Management in Multi-Family Dwellings	7	✓	✓	✓	M *	Unk	
	Provide Accessible Recycling Bins in Public Places and Businesses	8	✓	✓	✓	H *	Unk	
	Partner with Local School Districts to Create Waste Reduction and Recycling Programs in Schools, Including a Zero Waste Lunch Program	9	✓			L *	Unk	
	Provide Resources to Promote Free-Cycle and Re-Use Networks	10	✓	✓	✓	L *	Unk	

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ESAP 1 or 2 or Gen Plan	Title	Priority	S ¹	M ¹	L ¹	Cost ²	CO ₂ e Reduction (Metric tons)	\$ per Metric Ton
5. ENERGY AND RENEWABLE ENERGY								
	Set Renewable Energy Goals	1	✓			VL	Unk	
Partially in 1 & 2	Install Solar Water Heaters and Solar PV Systems on City Buildings	2		✓	✓	L	Unk	
	Enroll in the PG&E <i>ClimateSmart</i> Program for City Operations	3	✓	✓	✓	M *	2,724/yr	\$12
	Strongly Promote Solar Water Heating	4	✓	✓	✓	Unk	Unk	< \$0
	Promote Enrollment in PG&E's <i>ClimateSmart</i> Program by Residents	5	✓			H *	711,488	\$3
	Encourage Property Owners to Undertake Energy-Efficiency Upgrades	6	✓			H	1,080	\$139
	Implement a Pilot Program to Provide Solar PV for Affordable Apartments	7	✓	✓	✓	VH	12,000	\$542
Partially in 2	Provide Free Energy Audits for Residents and Low-Cost Audits for Small Businesses and Promote PG&E's Energy Conservation Programs	8	✓			M *	66,780	\$3
	Encourage Participation in PG&E's Demand Response and Permanent Load Shifting Program	9	✓	✓		VL	Unk	
	Print Information about Energy Conservation and Renewable Energy Options on Utility Bills	10	✓	✓		H *	43,230	\$2
6. TRANSIT AND TRANSPORTATION								
1	Fully Implement Bicycle Boulevards	1		✓		Unk	Unk	
1 & 2	Provide Automated Bicycle Rental and Additional Bicycle Parking Facilities	2		✓		Unk	Unk	
2	Provide Community Shuttle Services	3		✓		VH *	100/yr	\$475-550
1 & 2	Adopt and Implement a Pedestrian Master Plan	4		✓	✓	Unk	Unk	
	Provide Alternative Transportation for School Children	5		✓	✓	Unk	Unk	
	Collaborate with Neighboring Cities To Develop a Regional Paid Parking Program	6	✓			Unk	Unk	
Gen Plan	Fully Implement a Network of Four Grand Boulevards in Mountain View as Part of the General Plan Process	7			✓	Unk	Unk	
	Establish a Green Parking Code in the General Plan and Zoning Ordinance	8		✓	✓	RG	Unk	
	Increase VTA Bus Usage in Mountain View	9			✓	Unk	Unk	
	Synchronize Signals to Calm Traffic and Reduce GHG Emissions	10		✓		Unk	Unk	
7. LAND USE PLANNING								
Gen Plan	Implement a Connected System Of Healthy Villages	1	✓	✓	✓	L	TBD	
Gen Plan	Encourage Livable, Higher-Density Housing	2	✓	✓	✓	RG	927,000 by 2030	
	Increase Healthy Affordable Housing	3	✓	✓	✓	L	1,876/yr	
2	Establish Planning Incentives For Sustainable Development	4	✓	✓	✓	RG	TBD	
Gen Plan	Diversify Land Uses In Underutilized Areas	5	✓	✓	✓	RG	267/yr	
	Adopt LEED Neighborhoods Guidelines	6	✓	✓	✓	L	TBD	
Gen Plan	Encourage Urban Agriculture And Preserve Open Space	7	✓	✓	✓	L	TBD	
	Develop Castro Street As a Model Healthy Village	8	✓	✓	✓	RG	950/yr	
	Provide Ongoing Staff Education in Sustainable City Management Practices	9	✓	✓	✓	L *	TBD	

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ESAP 1 or 2 or Gen Plan	Title	Priority	S ¹	M ¹	L ¹	Cost ²	CO ₂ e Reduction (Metric tons)	\$ per Metric Ton
8. BUILT ENVIRONMENT								
1	Require Public Buildings to Achieve LEED Silver	1	✓		✓	RG	Unk	
1	Implement Green Building Standards for Private Buildings	2		✓		L	200-750/ yr	
	Establish a Revolving Loan Program to Fund Energy Efficiency Upgrades	3	✓	✓	✓	Unk	Unk	
	Require an Online PG&E Energy Audit (or Equivalent) for Business License Renewal	4		✓		Unk	Unk	
	Establish a Home Energy Efficiency Rating System	5		✓	✓	Unk	Unk	
	Develop Energy Consumption Standards for All Buildings	6	✓			RG	800 to 4,400	
1	Enhance the Expertise of Planning and Building Department Staff Members in Green Building Processes and Practices	7	✓			VL *	Unk	
	Establish a Green Building Incentive Program	8	✓			VL	Unk	
	Require Diversion of 75% of Construction and Demolition Debris from Landfills	9	✓			RG	34,451	
9. SUBURBAN NATURAL ECOSYSTEMS AND BIODIVERSITY								
1	Increase Tree Coverage in Mountain View	1	✓	✓	✓	M	Unk	
Partially in 2	Minimize Pesticides and Herbicides in Mountain View's Environment	2	✓	✓	✓	M	Unk	
	Restore Mountain View's Natural Waterways and Wetlands	3	✓	✓	✓	M	Unk	
	Preserve and Restore Natural Habitats	4	✓	✓	✓	M	Unk	
	Reduce and Contain Invasive Species in Mountain View	5	✓	✓	✓	M	Unk	
	Prioritize Mountain View's Urban Ecology in Local Planning Decisions	6	✓	✓	✓	M	Unk	
	Establish a Green Collar Training Program, Initially Focused on Green Gardening	7	✓	✓	✓	M *	Unk	
10. SUSTAINABLE QUALITY OF LIFE								
	Include a Sustainability Expert on the Environmental Planning Commission (EPC)	1	✓	✓	✓	VL *	Unk	
	Ensure that All Residents Have Access to Family Planning	2	✓	✓		M *	3,000 in first 5 years	\$167 de- creasing over time
	Make the Environmental Sustainability Coordinator Position Permanent	3	✓	✓	✓	H *	Unk	
	Tax Extraction of Non-Renewable Resources and Extraction of Renewable Resources at Unsustainable Rates	4	✓	✓	✓	RG	Unk	
	Balance Jobs and Housing	5	✓	✓	✓	Unk	Unk	
	Keep a Prudent Environmental Safety Margin to Mitigate the Impact of Disasters	6			✓	H	Unk	
	Phase Out Use of Non-renewable Energy Sources	7	✓	✓	✓	Unk	Unk	
	Use the Right Measuring Tools When Measuring Economic Progress	8	✓	✓	✓	L	Unk	
	Encourage Work/Life Balance	9	✓	✓	✓	L *	Unk	

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ESAP 1 or 2 or Gen Plan	Title	Priority	S ¹	M ¹	L ¹	Cost ²	CO ₂ e Reduction (Metric tons)	\$ per Metric Ton
11. COMMUNITY OUTREACH AND GREEN BUSINESS								
2	Commission and Implement a Comprehensive Outreach Campaign	1	✓	✓		M *	N/A	N/A
1	Form and Support an Ongoing Green Citizens Collaboration and Action Team	2	✓	✓	✓	L *	N/A	N/A
Partially in 2	Support and Encourage Student and Youth Outreach Initiatives	3	✓			L *	N/A	N/A
	Install Signs and Banners to Broadcast Environmental Gains and Metrics, and Place Public Art to Promote Environmentalism	4	✓			L *	N/A	N/A
	Promote Green Business Certifications and Practices	5	✓			L *	N/A	N/A
1	Create and Maintain an Environmental Focus Section and Rotating Displays at Mountain View Public Library	6	✓			VL *	N/A	N/A
1	Sponsor Sustainability Tabling and Outreach at Local Events	7	✓	✓	✓	VL *	N/A	N/A
	Explore Implementation of Regional and/or City Services and Sustainability #311 Call Center Line	8		✓	✓	H *	N/A	N/A
	Create Awareness of the Impacts of Transportation and Alternatives to Traditional Methods and Fuels	9	✓			VL *	N/A	N/A
Partially in 2	Provide Encouragement For the Use of Hybrids, Plug-in Hybrids and Alternative Fuel Vehicles	10	✓	✓	✓	VL *	N/A	N/A

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**CITY OF MOUNTAIN VIEW
ENVIRONMENTAL SUSTAINABILITY ACTION PLAN (ESAP)
STATUS UPDATE**

FISCAL YEAR 2008-09 ACTIONS

Action	Status
1. Adopt Carbon Dioxide Equivalent (CO ₂ e) Goals	COMPLETE. Community-wide goals were adopted by the Council in November 2009 and government operations goals were adopted in March 2010.
2. Redesign Water Billing Format	COMPLETE. Completed in May 2011.
3. Recruit and Train Water Conservation Advocates	COMPLETE and ongoing. A full-time Water Conservation Coordinator was hired in December 2009. Additionally, two hourly employees conduct water conservation outreach activities. The Water Conservation Program also began utilizing volunteers to assist staff with water conservation outreach in spring 2010. Efforts are continuing in 2011 with an emphasis on community events such as the Farmer's Market, Arbor Day and the Spring Family Parade.
4. Participate in the Single-Use Bag Ordinance	Currently under way. At its February 14, 2012 meeting, the Council directed staff to prepare a work plan to develop an ordinance and related CEQA documents to ban the use of single-use plastic bags.
5. Install Labeling on Trash Containers in Public Areas	COMPLETE. Completed in summer 2010.
6. Establish LEED Silver as the Standard for New City Facilities	COMPLETE. Adopted by the Council on March 24, 2009.
7. Support a Community-Led Green Citizens Action Team	COMPLETE and ongoing. A funding agreement with Green Mountain View is in place.

**CITY OF MOUNTAIN VIEW
ENVIRONMENTAL SUSTAINABILITY ACTION PLAN (ESAP)
STATUS UPDATE**

FISCAL YEAR 2008-09 ACTIONS (Continued)

Action	Status
8. Sponsor Sustainability Tabling and Outreach at Local Events	COMPLETE and ongoing. Participated in Arbor Day (March 2010) and Thursday Night Live (August 2010) events. Assisted with the Green Mountain View booth at the Art and Wine Festival (September 2010).
9. Work with Valley Transportation Authority (VTA) to Redesign Community Bus Route 34	COMPLETE. Route changes effective July 2010. Route 34 now includes service to the Senior Center, but service along Middlefield Road between San Antonio Road and Rengstorff Avenue has been eliminated.
10. Incorporate Climate Change Elements into the General Plan Update	Currently under way. A Greenhouse Gas (GHG) Reduction Program (GGRP) is being developed to address long-range GHG, climate change and adaptation strategies for the 2030 General Plan Update. A draft GGRP is being analyzed in the General Plan Environmental Impact Report (EIR). The final GGRP will present quantified benefits for each climate protection policy and action considered. The GGRP and 2030 General Plan Update are scheduled for completion in 2012.

**CITY OF MOUNTAIN VIEW
ENVIRONMENTAL SUSTAINABILITY ACTION PLAN (ESAP)
STATUS UPDATE**

FISCAL YEAR 2009-10 ACTIONS

Action	Status
1. Continue the Environmental Sustainability Coordinator Position for One Year	COMPLETE. Funding for the Environmental Sustainability Coordinator position has been continued through Fiscal Year 2011-12. The proposed 2012-13 budget includes a recommendation to make the position permanent rather than limited-term.
2. Secure Technical Assistance to Establish an AB 811 Benefit Assessment District	On hold. Council approved City participation in CaliforniaFIRST, a State-wide AB 811 program, in January 2010. CaliforniaFIRST was unfunded by the California Energy Commission in July 2010 as a result of legal challenges and Federal agency objections. Staff will not pursue further development or implementation of this financing mechanism for community energy efficiency upgrades at this time, but will continue to monitor ongoing developments.
3. Evaluate Feasibility of Implementing a Municipal Renewable Energy Facility (AB 2466)	On hold. The rate tariff approved by the California Public Utilities Commission only allows credit for the generation component of any energy produced, which significantly limits the financial viability of constructing a renewable energy facility under the auspices of AB 2466 (energy generation at one location can be used to offset energy costs at another location). As the City considers additional renewable energy projects in the future, the costs and benefits of completing an AB 2466 project will be weighed against other project options.

**CITY OF MOUNTAIN VIEW
ENVIRONMENTAL SUSTAINABILITY ACTION PLAN (ESAP)
STATUS UPDATE**

FISCAL YEAR 2009-10 ACTIONS

Action	Status
4. Create a Zero-Waste Plan (including waste characterization study and food waste composting program expansion)	Currently under way. The waste characterization study was completed in December 2010. Preparation of the Zero-Waste Plan is currently under way and is scheduled for completion by summer 2012. The commercial food waste composting pilot program is fully operational with approximately 20 large food waste customers.
5. Fully Implement Bicycle Boulevards	COMPLETE. An east-west boulevard from San Antonio Road to Whisman Road is in place. Transportation Development Act (TDA) grant funds were used to construct a second bike boulevard from Dale/ Heatherstone to the Transit Center. Construction was completed in summer 2011. Additional routes and funding to be determined.
6. Participate in a Regional Effort to Study Feasibility of Automated Bicycle Rentals	Currently under way. Mountain View, Palo Alto and San Jose are participating in a VTA pilot bike-share program. The estimated program launch date is summer 2012.
7. Prepare, Adopt and Implement a Pedestrian Master Plan	Currently under way. A \$125,000 VTA grant was received to fund the Master Plan. The draft Plan was reviewed by the Bicycle/ Pedestrian Advisory Committee in November 2011. Council review of the Plan will occur in 2012.
8. Increase Free Arbor Day Trees	COMPLETE. Additional funding (\$10,000) was included in the Fiscal Year 2009-10 Forestry Maintenance and Street Tree Planting Capital Improvement Project (CIP) to pay for an additional 200 trees. The CIP has been completed and closed.

**CITY OF MOUNTAIN VIEW
ENVIRONMENTAL SUSTAINABILITY ACTION PLAN (ESAP)
STATUS UPDATE**

FISCAL YEAR 2009-10 ACTIONS

Action	Status
9. Create Environmental Displays at the Library	COMPLETE. The Library's lobby display case featured an environmental theme from mid-August 2009 to mid-October 2009. Display materials can be reused for other displays in the future.
10. Implement State-Mandated Landscape Water Conservation Ordinance	COMPLETE. Water conservation in landscaping regulations and related Zoning Ordinance changes were adopted by the City Council on June 1, 2010.
11. Retrofit City Facilities with Green Technologies/Green the Library	Currently under way. Project 10-34, Greening the Library, was established to implement water and energy conservation improvements at the Library. Energy and water audits to identify appropriate improvements have been completed. A separate water meter has been installed so indoor and outdoor/landscaping water use can be tracked separately. A window tint product to reduce heat gain at windows has been identified for purchase. Bid process for landscaping design is scheduled for 2012.
12. Enhance Expertise of Community Development Department and Public Works Department Staff Members in Green Building Practices	COMPLETE. Training was held in October 2011.
13. Establish Green Building Standards for Private Buildings	COMPLETE. The Mountain View Green Building Code became effective in August 2011.

**CITY OF MOUNTAIN VIEW
ENVIRONMENTAL SUSTAINABILITY ACTION PLAN (ESAP)
STATUS UPDATE**

FISCAL YEAR 2010-11 ACTIONS

Action	Status
1. Participate in Regional Efforts to Ban Polystyrene Take-Out Food Containers.	Currently under way. At its February 14, 2012 meeting, the Council directed staff to prepare a work plan to develop an ordinance and related CEQA documents to ban the use of expanded polystyrene take-out food containers.
2. Retrofit City Facilities with Green Technologies – Building (TBD)	<p>Currently under way and ongoing. Rather than focusing on retrofitting a particular building, staff has focused on taking advantage of Federal grant and other funding to pay for greening efforts throughout the City, including:</p> <ul style="list-style-type: none"> • CDBG funds paid for new interior and exterior lighting at the Senior Center and Community Center. • Downtown Revitalization bond proceeds were used to supplement energy conservation CIP funding to retrofit post-top lights in the downtown area with new energy-efficient induction lights. <p>Other energy-conservation projects currently under way include:</p> <ul style="list-style-type: none"> • Converting a portion of the City's high-pressure sodium streetlights to more energy-efficient induction lighting. • Replacing lighting fixtures in the Civic Center garage with more energy-efficient, bi-level fixtures.

**CITY OF MOUNTAIN VIEW
ENVIRONMENTAL SUSTAINABILITY ACTION PLAN 2 (ESAP-2)
STATUS UPDATE**

FISCAL YEAR 2011-12 ACTIONS

Action	Status
1. Complete installation of solar systems at Golf Pro Shop and Shoreline Maintenance Facility via Power Purchase Agreement (PPA)	Currently under way. The City participated in a multi-jurisdictional cooperative led by Santa Clara County to purchase renewable energy through the creation of a regional power purchase agreement. In July 2011, the City Council approved a PPA contract and vendor for solar panel installations at the Shoreline Golf Links Pro Shop and Shoreline Maintenance Facility. Unfortunately, the vendor was unable to secure the required financing to complete the two Mountain View installations (as well as sites in Los Gatos) and has cancelled their PPA contract with the City. Public Works and City Attorney staff are now evaluating options, including assigning the agreement to another vendor.
2. Consider participation in regional Renewable Energy Procurement (REP) project for installation of additional renewable energy systems on City facilities	Currently under way. The City has submitted a list of 13 potential sites to the coordinating agency, and has expressed interest in participating in a collaborative purchase of site feasibility surveys. Once a per-survey price has been determined, the City will evaluate next steps.
3. Complete the "Greening the Library" capital project (Project 10-34)	Currently under way. Energy and water use audits to identify appropriate improvements have been completed. A separate water meter has been installed so indoor and outdoor/landscaping water use can be tracked separately. The installation of a window tint product to reduce heat gain at windows is scheduled for late April/early May. The bid process for landscaping design for a native and low-water-use plant demonstration garden is scheduled to begin in spring 2012.

**CITY OF MOUNTAIN VIEW
ENVIRONMENTAL SUSTAINABILITY ACTION PLAN 2 (ESAP-2)
STATUS UPDATE**

FISCAL YEAR 2011-12 ACTIONS

4. Continue implementation of Energy Upgrade Mountain View (EUMV)	Currently under way. EUMV has successfully undertaken a large outreach effort during its first 11 months, including neighborhood associations, community groups, faith organizations, neighborhood canvassing, multi-family complexes, Thursday Night Live events, the Farmer's Market, the Spring Family Parade, Arbor Day, local schools, The View, the Mountain View Voice, CBS Ch. 5 News, Mountain View Patch, Google ads, Facebook, the City's utility bill, PG&E and multi-lingual communities. While participation rates have been lower than estimated, the program is gaining momentum, as demonstrated by sign-ups doubling since the beginning of 2012 due to a modified outreach strategy.
5. Present "Greenhouse Gas Reduction Program" (GGRP) to Council for adoption as part of the General Plan Update	Currently under way. The Community Development Department is finalizing the GGRP in conjunction with completion of the General Plan Update.
6. Complete the 2010 government operations greenhouse gas (GHG) inventory and measure it against the 2010 reduction target	Currently under way. Data gathering for the inventory has begun. The inventory is scheduled for completion by June 2012.
7. Evaluate and propose green building incentives to be included in Precise Plan, General Plan and/or zoning amendments	Currently under way. A City consultant is evaluating different options, including working through the North Bayshore precise plan process with the North Bayshore working group and Environmental Planning Commission. Recommendations are expected in Spring 2013.
8. Participate in regional sustainable planning efforts (e.g., Plan Bay Area, Grand Boulevard Initiative, Bus Rapid Transit, etc.)	Currently under way. Council members and staff continue to participate in discussions regarding regional sustainable planning efforts (e.g., Council discussion on ABAG/MTC Sustainable Communities Strategy process on May 24, 2011, December 13, 2011 and February 14, 2012; Council and staff attendance at the January 18, 2012 Plan Bay Area Workshop; Council discussions regarding the proposed Bus Rapid Transit project on June 21, 2011 and January 17, 2012).

**CITY OF MOUNTAIN VIEW
ENVIRONMENTAL SUSTAINABILITY ACTION PLAN 2 (ESAP-2)
STATUS UPDATE**

FISCAL YEAR 2011-12 ACTIONS

9. Update City sustainability web site	Not Started. Staff will incorporate modest changes to the sustainability web site by June 2012. A more comprehensive update will occur if the City Council approves funding for a 2013 sustainability outreach and engagement campaign with residents and businesses, shown in ESAP-2 as action #7 in 2012-2013.
10. Explore making rubberized asphalt the City standard for street resurfacing projects	Currently under way. In 2009 the City began using rubberized asphalt (RA) on street reconstruction and resurfacing projects. RA diverts waste tires from landfills and has been reported to last longer and provide a quieter ride than conventional asphalt (CA). The City has received State grants to pay for the higher cost of RA compared to CA, but funding under the current grant program has decreased and will no longer be available after the next grant cycle. The City will monitor the grant program and continue to request bids for both RA and CA on future projects to evaluate the cost differential.
11. Report on integrated pest management (IPM) techniques currently in use by City staff	Currently under way. A report on the City's IPM program is being prepared by Fire and Community Services Department staff and will be presented to the Council by June 2012.
12. Upgrade electric vehicle chargers in Civic Center garage	Currently under way. Three of the four legacy chargers in the Civic Center garage are eligible to be upgraded through the California Energy Commission's (CEC's) Reconnect California Grant Program. Documentation for the installation is being finalized. Installation is scheduled to be complete by May 2011.
13. Participate in a regional automated bicycle rental program	Currently under way. Mountain View, Palo Alto and San Jose are participating in a VTA pilot bike-share program. The anticipated program launch date is summer 2012.
14. Explore feasibility of a community shuttle service	Currently under way. Study Session held on December 6, 2011. Proposed work plan to explore the need for, and feasibility of, a community shuttle program was presented to Council on February 28, 2012. At Council's direction, staff is conducting additional research regarding the viability of a shuttle program in Mountain View.

**CITY OF MOUNTAIN VIEW
ENVIRONMENTAL SUSTAINABILITY ACTION PLAN 2 (ESAP-2)
STATUS UPDATE**

FISCAL YEAR 2011-12 ACTIONS

15. Present Pedestrian Master Plan to Council for adoption	Currently under way. A \$125,000 VTA grant was received to fund the Master Plan. The draft Plan was reviewed by the Bicycle/Pedestrian Advisory Committee in November 2011. Council review of the Plan will occur in conjunction with the General Plan Update.
16. Present Zero Waste Plan to Council for adoption	Currently under way. Preliminary results were provided at a September 27, 2011 Study Session to assist the Council in determining the scope of services to be included in a Request for Proposal from Recology for the City's collection services agreement. The Zero Waste Plan is scheduled for completion after final discussions related to the new collection services agreement are made, so that the information can be taken into account in the final Zero Waste Plan.
17. Prepare work plan for bans on single-use bags and expanded polystyrene food containers for Council approval	Currently under way. Council directed staff to prepare a work plan to develop ordinances and related CEQA documents banning single-use bags and expanded polystyrene take-out food containers. Work plan is currently under development.
18. Report on current training of Shoreline Park staff and contractors in wildlife preservation	Currently under way. A report on the City's process for training staff and contractors who work in Shoreline Park on wildlife preservation is being prepared by Community Services Department staff and will be presented to the Council by June 2012.